

## New records of Orthotylinae and Phylinae from Caucasus (Heteroptera: Miridae)

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Fifty-nine species are recorded for the first time from Armenia, Azerbaijan, Georgia, and the Caucasian area of Russia.

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Records from Armenia (**Ar**), Azerbaijan (**Az**), Georgia (**Gg**) and the Caucasian area of Russia (**Ru**) listed below are additional to those in the recently published catalogue of the Palaearctic Heteroptera (Kerzhner & Josifov, 1999). The material examined is preserved in the Zoological Institute of the Russian Academy of Sciences (St.Petersburg), Institute of Zoology of the Academy of Sciences of Azerbaijan (Baku), and Institute of Zoology of the Academy of Sciences of Armenia (Erevan). Unless otherwise stated, the material was collected by the author.

### Subfamily ORTHOTYLINAE

#### Tribe Halticini

*Anapus longicornis* Jakovlev, 1881. **Az**: Ali-Bayramly, Adzhikabul village, 23.V.1969 (Gidayatov).

*A. kirschbaumi* Stål, 1858. **Ar**: Gegart, 31.V.1934 (collector not given); Erevan, 18.V.1938 (collector not given); Vedi, 11-13.V.1957 (Trjapitzin). **Az**: Nakhichevan Prov., Station Darasham-II, Araks River, 22-23.V.1934 (Ryabov).

*Halticus apterus apterus* (Linnaeus, 1758). **Az**: Apsheron, Kuba, Khachmas, Zakataly, Lerik, Lenkoran, Astara and Saatly districts. *Note*: Also recorded from **Az** (Sarydzaly) by Kiritshenko (1918).

*H. saltator* (Geoffroy, 1785). **Az**: Sheki Distr., Ordzhonikidze State farm, 26.V.1971 (Gidayatov, Atakishieva).

*H. macrocephalus* Fieber, 1858. **Ar**: Akhty Distr., Arzakan, 28.VI.1957 (Akramovskaya). **Az**: Mendzhivan, 6.VI.1933 (Lukyanovitsh).

#### Tribe Orthotylini

*Cyllecoris histrionicus* (Linnaeus, 1767). **Az**: Kuba Distr., Galadyzyuy, 12.VI.1981; Apsheron Distr., Altya-

gach, 28-29.VI.1988; Zakataly Distr., locality Akhki-mal, 26.IX.1981; Shemakha Distr., Pirkuli, 28. VI.1988.

*Cyllecoridea modesta* Putshkov, 1975. **Az**: Apsheron Distr., Altyagach, 12.VII.1988.

*Globiceps coryli* Putshkov, 1970. **Az**: Zakataly Distr., Tala, 5.VI.1971 (Gidayatov). **Gg**: Borzhomi, 27-28.VI.1902 (Bykov); Sukhumi, 9.VI.1932 (Rohden-dorf).

*G. caucasicus* Poppius, 1912. **Az**: Nakhichevan Prov., Arpa-chai River (eastern) nr Pashalu bridge, 7.VII.1937 (Ryabov).

*G. flavomaculatus* (Fabricius, 1794). **Gg**: Oni Distr., Shovi, 1.VIII.1958 (Gidayatov); lake Ritsa, 20. VIII. 1958 (Gidayatov); Tori, Gori Distr., 30.VIII.1914 (Mlo-kosewicz); Svanetia, Korel-Dash, 30.VII.1957 (Akra-movskaya).

*Cyrtorhinus caricis* (Fallén, 1807). **Az**: steppe Turut N of Evlakh, 19, 28.V.1948 (Bogachev).

*Heterocordylus genistae* (Scopoli, 1763). **Az**: Vartashen, 22.V.1972 (Gidayatov, Atakishieva). **Gg**: Svanetia, Korel-dash, 30.VII.1957 (Akramovskaya); Baku-riani, 3.VII.1949 (Kiritshenko).

*H. erythrophthalmus* (Hahn, 1833). **Gg**: Benara, 19 km W of Akhaltsikhe, 14.VI.1949 (Kiritshenko).

*Pseudoloxops coccineus* (Meyer-Dür, 1843). **Az**: Apsheron Distr., Altyagach, 20.VII.1980, 10-12.VII. 1981, 25.VI.1983, 27.VI.1985, 11.VII.1988; Shemakha Distr., Pirkuli, Shemakha Astrophysical Observatory, 4.VII.1988.

*Blepharidopterus diaphanus* (Kirschbaum, 1856). **Az**: Baku, Sabunchi, 5.VII.1978; Lerik Distr., Kos-molyan, 30.VII.1978, 6.VII.1985; Apsheron Distr., Altyagach, 12.VII.1988.

*Malacocoris chlorizans* (Panzer, 1794). **Ar**: Al-laverdy, 15.VIII.1930 (Korinek); Lambalu, State Farm Zeytun, 18.VII.1965 (Arakelyan).

*Brachynotocoris puncticornis* Reuter, 1880. **Az**: Apsheron Distr., Altyagach, 20.VII.1980, 9.VII.1981; Shemakha Distr., Pirkuli, 4.VII.1988. **Gg**: Tiflis (now Tbilisi), 11.VII.1905 (Satunin).

*Orthotylus bilineatus* (Fallén, 1807). **Az**: Apsheron Distr., Altyagach, 11-13.VII.1988.

**O. flavinervis** (Kirschbaum, 1856). **Az:** Lerik Distr., Kosmolyan, 6.VII.1985.

**O. tenellus** (Fallén, 1807). **Az:** Shemakha Distr., Pirkuli, 1-2.VII.1988; Apsheron Distr., Altyagach, 16.VII.1988.

**O. eleagni** Jakovlev, 1881. **Az:** Baku, Sabunchi, 13.VI-31.VII.1974, 23.V-12.VII.1975; Shuvelany, 2.VIII.1976; Apsheron Distr., Altyagach, 20.VII.1980; Zakataly Distr., Perzivan, 30.V.1987; Saatly Distr., Muganly, 31.V.1987.

**O. marginalis** Reuter, 1883. **Az:** Shemakha Distr., Pirkuli, 29.VI.1988; Apsheron Distr., Altyagach, 10-11.VII.1981, 15.VII.1988; Lerik Distr., Kosmolyan, 4-6.VII.1985.

**O. viridinervis** (Kirschbaum, 1856). **Az:** Apsheron Distr., Altyagach, 14.VII.1988; Shemakha Distr., Pirkuli, 10.VII.1988.

**O. fieberi fieberi** Frey-Gessner, 1864. **Az:** Kyurdamir, 4, 8.VII.1968 (Gidayatov); Lerik Distr., Kosmolyan, 25.V, 6.VII.1985; Galabyn, 10.VII.1985; Lenkoran Distr., Azfilial, 26.V.1985.

## Subfamily PHYLINAE

### Tribe Pilophorini

**Hypseloecus visci** (Puton, 1881). **Az:** Astara Distr., Siyaku, 8.VI.1957 (Gidayatov); Zakataly Distr., Gabisdara, 700 m, 26.VI.1986.

### Tribe Hallodapini

**Hallodapus montandoni** (Reuter, 1895). **Ar:** Kamarlyu (now Artashat), 21.VIII.1931 (Korinek). **Az:** Lenkoran, Kumbashi, 7.VII.1980 (Satunin); Saatly Distr., Dzhefarkhan nr Kalagayny, 23.V.1933 (Lukjanovitch); Apsheron Distr., Altyagach, at light, 12.VII.1988. **Gg:** lake Bazaletscoe nr Dusheti, 3.VII.1949 (Kiritshenko); Benara, 19 km W of Akhaltsikhe, 18.VI.1949 (Kiritshenko). **Ru:** Ingushetia, Salgi, 5.VIII.1927 (Kiritshenko); Egochkal nr Dzheirakh, 11.VIII.1927 (Kiritshenko).

### Tribe Phylini

**Oncotylus punctipes** Reuter, 1875. **Ar:** Amasiya Distr., Shurabad, 23.VII.1977 (Akramovskaya); Kuzikend, 21.VII.1977 (Akramovskaya); Kirovakan (now Vanadzor), 15.VII.1977 (Get'yan).

**O. pyrethri** (Becker, 1864). **Ar:** Gukasyan (now Ashot) Distr., Tsokhamorg, 21.VII.1978 (Akramovskaya).

**O. vitticeps** Reuter, 1879. **Az:** steppe Turut N of Evlakh, 28.V.1948 (Bogachev).

**Eurycolpus flaveolus** Stål, 1858. **Ar:** Sevan Distr., Lchashen, 12.VII.1977 (Akramovskaya).

**Thermocoris discolor** Seidenstücker, 1957. **Az:** Nakhichevan Prov., Dzhul'fa Distr., northern slope of Mt Ilan-dag, 21-22.V.1957 (Trjapitzin, Zimina, Richter).

**Macrotylus paykullii** (Fallén, 1807). **Ar:** Alaverdi, 29.VII.1930 (Korinek); Megri, 5.VI.1955 (Loginova). **Az:** Lerik Distr., Kosmolyan, 3.VI.1985; Agdash Distr., Karyagdy, 6.VII.1959 (Gidayatov). **Ru:** N Osetia, Vladikavkaz, Dargavsk, 24.VII.1925 (Kiritshenko); Dagestan, Khunzakh, 23.VII.1924 (Ryabov).

**Conostethus hungaricus** Wagner, 1941. **Az:** Khachmas, 3.VII.1974 (Atakishieva).

**Compsidolon balachowskyi** (Wagner, 1958). **Az:** Nakhichevan Prov., Mt Urts, 29.V.1958 (Akramovskaya).

**C. nebulosum** (Reuter, 1879). **Ar:** Kamarlyu (now Artashat), 11.V.1931 (Korinek); Erevan, 18.VII.1935 (Ter-Minassian) and 22.VIII.1936 (Richter); Megri, 31.VIII.1932 (Ryabov).

**Taeniophorus hyalinus** Linnavuori, 1952. **Az:** Nakhichevan Prov., Negrali on Araks, 19.V.1934 (Ryabov); Apsheron Distr., Khyzy, 17.V.1989 (Piriev).

**Orthonotus rossicus** (Reuter, 1878). **Az:** Lerik Distr., Zuvand, Razgov, 10.VI.1909 (Kiritshenko). *Note:* Records of *O. ponticus* Horv. from Az (Gidayatov, 1960, 1967) refer to *O. kiritshenkoi* Jos., and those from N Caucasus (Kiritshenko, 1918, etc.) to *O. rossicus*.

**Nanopsallus carduellus** (Horváth, 1888). **Ar:** Avan – Dzhervezh – Nork, 8.VI.1939 (Richter). **Az:** Apsheron Distr., Altyagach, 10.VII.1988.

**Phylus coryli** (Linnaeus, 1758). **Az:** Vartashen Distr., Fil-Fili, 3.VII.1973 (Putshkov); Kuba Distr., Pyusta-Kasum, 10.VI.1981.

**Ph. limbatellus** Poppius, 1912. **Az:** Shemakha Distr., Pirkuli, 31.VI.1973 (Putshkov); Zakataly Distr., Perzivan, 1-3.VII.1986. **Gg:** Bakuriani, 3.VII.1949 (Kiritshenko); Akhali-Sopeli, 26.VII.1961 (Zaitzeva).

**Psallus perrisi** (Mulsant & Rey, 1852). **Az:** Zakataly, 23.V.1971 (Gidayatov); Shemakha Distr., Pirkuli, 2.VII.1978; Apsheron Distr., Altyagach, 10-11.VII.1981.

**P. wagneri** (Ossiannilsson, 1953). **Az:** Apsheron Distr., Altyagach, 10-11.VII.1981.

**P. ambiguus** (Fallén, 1807). **Az:** Lerik, 7.VI.1967 (Ermolenko) and 23.V.1983; Lerik Distr., Kosmolyan, 25.V.1985; Kuba Distr., above Kachresh, 8-9.VII.1981.

**P. ocularis** (Mulsant & Rey, 1852). **Az:** Apsheron Distr., Altyagach, 21.VI.1980, 10-11.VII.1981.

**P. quercus** (Kirschbaum, 1856). **Az:** Apsheron Distr., Khyzy, 17.V.1989 (Piriev).

**P. transcaasicus** Zaitzeva, 1966. **Az:** Vartashen Distr., Fil-Fili, 3.VII.1973 (Putshkov); Zakataly Distr., locality Akhkimal, 26.IX.1981 (Z. Aliev); Lenkoran Distr., Bilyasar, 29.V.1985.

**P. falleni** Reuter, 1883. **Az:** Kusar Distr., Lóza, 10.VIII.1985 (Kh. Aliev).

**P. flavellus** Stichel, 1933. **Az:** Lenkoran Distr., Azfilial, 26.V.1985; Lerik Distr., Kosmolyan, 23.V.1983.

**P. haematodes** (Gmelin, 1790). **Az:** Apsheron Distr., Altyagach, 20.VI.1980, 29-30.V, 10-11.VII.1981; Lenkoran Distr., Azfilial, 21.V.1981; Shemakha Distr., Pirkuli, 28.VI.1988.

**P. turcicus** Wagner, 1971. **Az:** Apsheron Distr., Khyzy, 17.V.1989 (Piriev).

**Heterochlorillus zagdani** Putshkov, 1970. **Gg:** Batumi Distr., 100-200 m, 30.VI.1975 (Zagulayev).

**H. amygdali** (Linnavuori, 1965). **Az:** Zakataly Distr., Perzivan, 2.VII.1986.

**Criocoris sulciornis** (Kirschbaum, 1856). **Ar:** lake Sevan, Akhta, 24.VII.1952 (Ter-Minassian).

**Monosynamma bohemanni** (Fallén, 1829). **Ar:** Kamarlyu (now Artashat), 28.VII.1931 (Korinek).

**Campylomma annulicorne** (Signoret, 1865). **Az:** Baku, Botanical garden, 4.VII.1978; Sabunchi,

5.VII.1978; Shemakha Distr., Archivan, 28.VII.1978; Saatly, 27.VI.1969 (Gidayatov); Saatly Distr., Dzhafarkhan, 22.V.1977; Neftechala, Karaiman, 18.VII.1976.

**Atractotomus mali** (Meyer-Dür, 1843). **Az**: Zakataly Distr., Muganly, 29.V.1986.

**Sacculifer rufinervis** (Jakovlev, 1880). **Az**: Apsheron Distr., Altyagach, 22.VI.1985, 12.VII.1988.

**Zakanocoris aceri** Putshkov, 1970. **Az**: Lerik Distr., Apo, 2.VII.1984.

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